



***State of Washington
Department of Transportation
Notice to Consultants***

***Synthesis of Information on Anti-icing and Pre-wetting for Winter
Maintenance for the Pacific Northwest Snowfighters Association***

Washington State Department of Transportation (WSDOT) solicits interest from consultants interested in submitting a Request for proposals to provide a synthesis of information on anti-icing and pre-wetting practices for winter maintenance for the Pacific Northwest Snowfighters Association (PNS.) WSDOT will be awarding one (1) agreement for approximately \$15,000 to \$30,000, including all deliverables. Expected completion of the project would be approximately 3 months after agreement award.

The current need for this project has been surpassed by individual agencies within the PNS. This group along with other DOT's in North America continues to face criticism for the use of liquid deicing chemicals and require a uniformed approach to these criticisms.

Keeping roads in North America clear of ice and snow during the winter months is a significant challenge to agencies responsible for winter maintenance. Relatively new maintenance strategies that are seeing increased implementation in North America are referred to as "Anti-icing and Pre-wetting." One of the greatest challenges of the implementation has been the misunderstanding of the benefits and the outcomes of their use. Members of the general public and organized groups such as trucking associations have been critical of these strategies, which may be a result of poor understanding and speculation.

In the spirit of good maintenance practices to ensure safe roadways, environmental protection and sound economics, the PNS proposes a project to prepare a synthesis of information on the advantages and disadvantages of the use of anti-icing and pre-wetting. The purpose of the study will be to research current knowledge on the advantages and disadvantages, which will result in a detailed research document. This will then enable the consultant to produce a brochure aimed at commercial entities and the general public to educate them on the results of the research. The focus will be on comparing the benefits against the drawbacks to ensure a full understanding of why agencies have adopted these strategies. Specifically the study should be looking at but not limited to the following areas when doing literature reviews and agency interviews:

- Technology advantages
- Toxicity to the environment
- Corrosion
- Effects on concrete and asphalt
- Roadway safety
- Worker safety
- Environmental laws
- Human Health
- Storage

- Risk Management / litigation
- Economics (costs vs. purchase price)

The project will also produce significant research references for agencies to review and use in future projects.

The deliverables for the project should include: 1) a large volume of reference material in the form of a one CD ROM and one hard copy; Formatted in Microsoft Word. 2) A detailed report on the advantages vs. disadvantages of using anti-icing and pre-wetting for internal and external stakeholder use; All hard copies will be bound. 3) A brochure for public education purposes briefly describing the advantages vs. disadvantages that would primarily be aimed at the general public for agency handouts in the form of one CD ROM and one color brochure. 4) The PNS (Pacific Northwest Snowfighters Association) will have final approval of product prior to completion and production. 5) PNS will retain ownership of the material produced.

After award of the agreement, the successful consultant will be required to have a “start up” conference call with the steering committee to obtain directions on where to find current studies and information. This will lead to interviews with one member from each PNS group (Washington, Oregon, Idaho, Montana & British Columbia) and interviews with 6 other agencies to be identified by the steering committee. A second conference call will be required near the completion of the agreement for comments on the draft report and brochure.

Evaluation Criteria

Pursuant to state and federal regulations, a qualifications-based selection process will be used to select a consultant for each of these projects. The following information and criteria will be used to evaluate and rank responses:

1. Qualifications/Expertise of Firms on Team;
2. Qualifications of Proposed Project Manager;
3. Key Team Members Qualifications (Prime Consultant and Sub-Consultants);
4. Firm's Project Management System (Prime Consultant Only);
5. Project Delivery Approach;
6. References/past performances (Prime Consultant Only); and
7. Cost Factors (Prime Consultant Only.)

The link to the definitions and point value for each of the proposed criteria may be found on the first page of this advertisement web site.

NOTE: It is imperative that the consultant reviews the definitions of the scoring criteria. We have included requirements and/or limitations for the information that is being requested. All scoring criteria will be rated on a scale of 0 (Low) to 20 (High.)

Submittals

Consultants are invited to submit their Statement of Qualifications at their own cost. WSDOT assumes no obligation of any kind for expenses incurred by any respondent to this solicitation. The submittal is limited to a total maximum number of twenty-five (25) sheets submitted only



on single sided (single sided meaning one side only of a single sheet of paper) typed 8.5" x 11" paper (if charts and/or graphs are utilized text must be a readable size font), and with type size no smaller than 12 point.

Your Statement of Qualifications must be broken into two (2) separate packets. Your Statement of Qualifications "Packet A" must consist of:

- Your responses to scoring Criteria 1 through 5.

Your Statement of Qualifications "Packet B" must consist of:

- Your letter of transmittal;
- Your response to scoring criteria 6 and 7; and
- Your Submittal Information Packet forms.

The page limitation does not apply to the front and back covers of "Packet A" and all of "Packet B."

The Statement of Qualifications shall meet the following requirements or will be deemed non-responsive and will not be eligible for consideration of this work:

- Title of the Request for Qualifications and your firm clearly identified on the cover of the submittal Packets "A" and "B", and the letter of transmittal;
- Statement of Qualifications broken into "Packet A" and "Packet B" as indicated above;
- Responsive to all evaluation criteria;
- Meeting page limitations and font size requirements; and
- Meeting submittal deadline submission date.

Materials submitted in response to this competitive procurement shall become the property of WSDOT and will not be returned. All submittals received will remain confidential until WSDOT and the successful Consultants sign the agreements resulting from this advertisement. All submittals are deemed public records as defined in the RCW 42.17.250 to 42.250.340.

Faxed or e-mailed submittals will not be accepted. Four (4) copies of your "Packet A" and one (1) copy of "Packet B", whether expressed or hand-delivered, must arrive at the following address no later than 5:00 pm on Thursday, July 15, 2004:

Mr. Michael B. Rice
Director, Consultant Services
Washington State Department of Transportation
Capital View II Building, 2nd Floor
724 Quince Street SE
Olympia, WA 98504-7323

Note: Please be aware that if you mail your submittal utilizing the United States Postal Service (USPS), an additional two (2) working days will be added to the delivery time due to the fact that all State Agency mail must go through an internal Campus Mail system first before it



reaches its final destination. Submittals mailed via USPS must account for this added delivery time in order for the submittal to reach the Consultant Services office by the due date and time.

Any questions regarding the submittal process should be directed to the Consultant Services Office, at 360-705-7147.

The department has an overall Disadvantaged Business Enterprise (DBE) Goal. The DBE goal for participation will be obtained through a combination race-neutral/race-conscience means as outlined in WSDOT's "Disadvantaged Business Enterprise Program Plan." The department encourages disadvantaged, minority, and women-owned consultant firms to respond.

Persons with disabilities may request this information be prepared and supplied in alternate formats by calling collect 206-389-2839. Persons with hearing impairments may call 1-800-833-6388 (Washington State Telecommunications Relay Service) and ask for 206-515-3683.

Dates of publication in the Seattle Daily Journal of Commerce: Thursday, June 17, 2004 and Thursday, June 24, 2004.

Submittal Due Date: Thursday, July 15, 2004.